

FIG. 1A - Prior Art

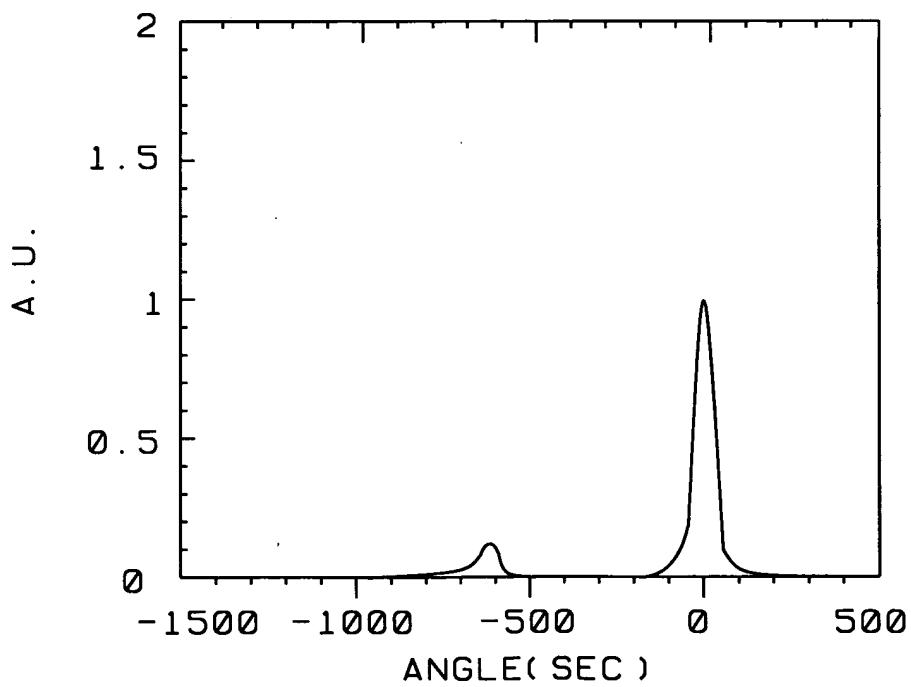


FIG. 1B - Prior Art

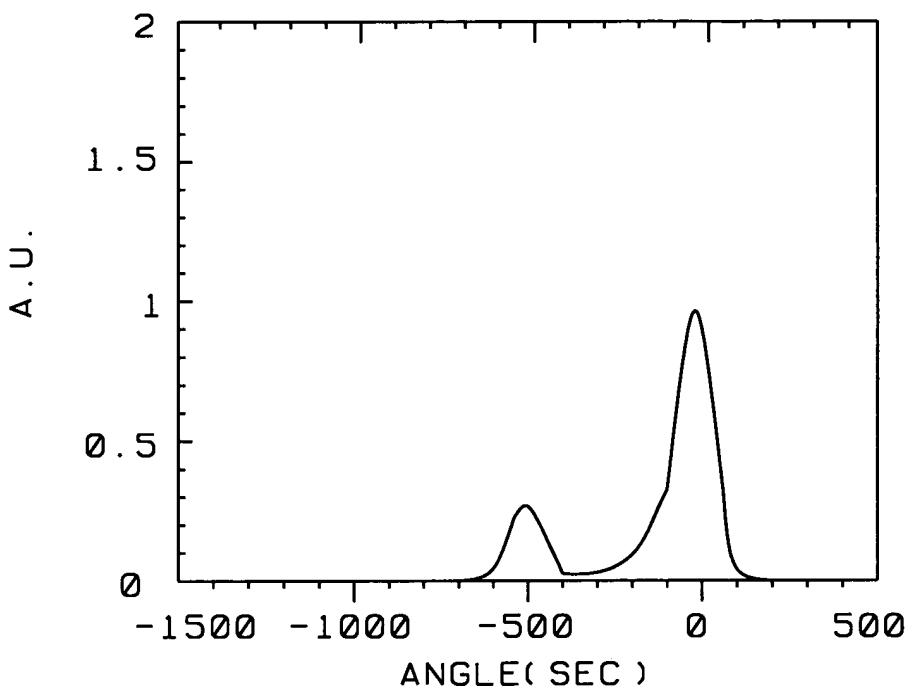


FIG. 1C - Prior Art

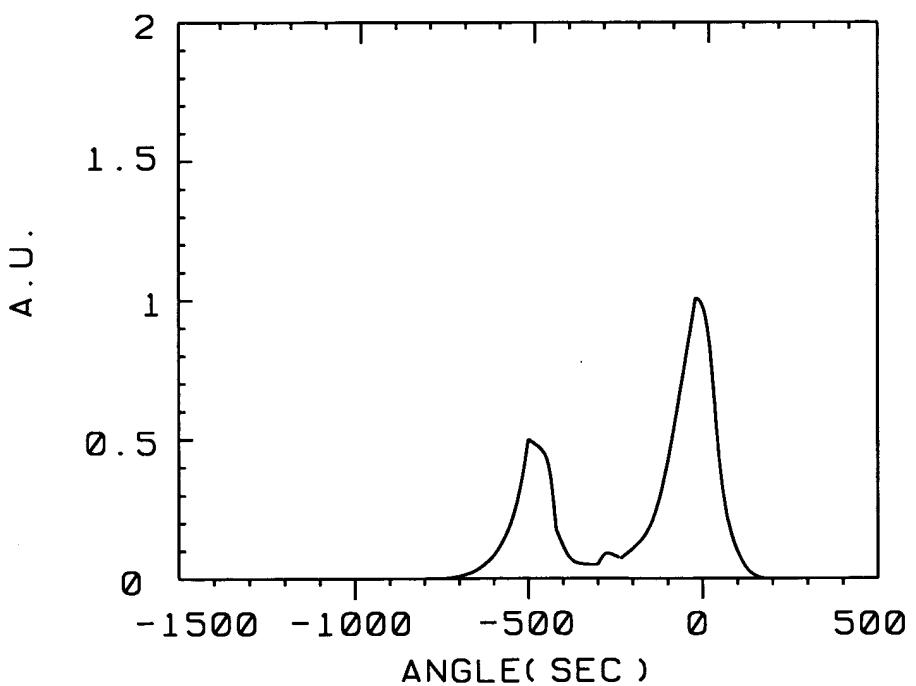


FIG. 1D - Prior Art

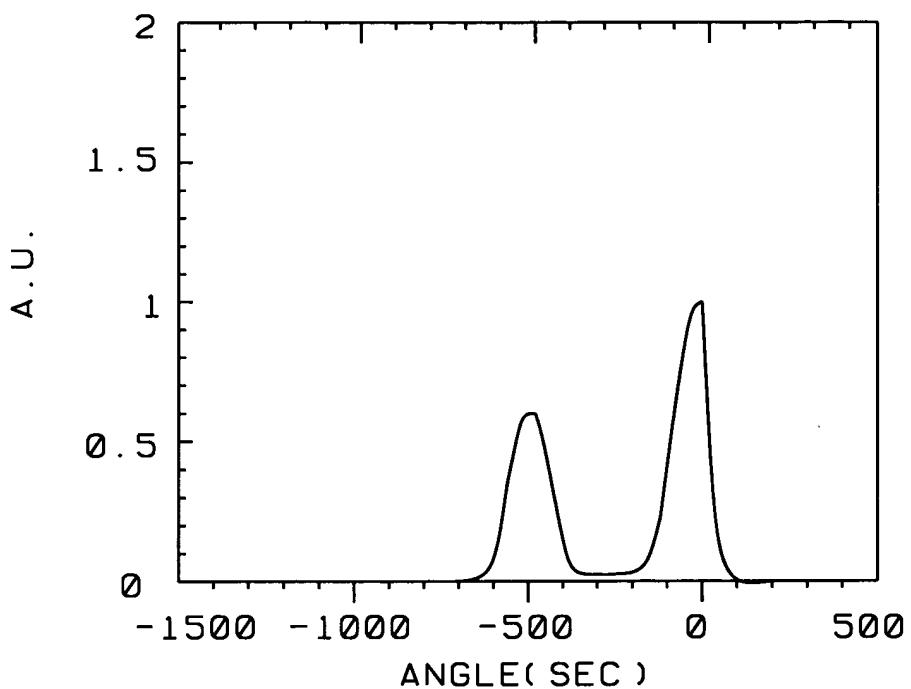


FIG. 1E - Prior Art

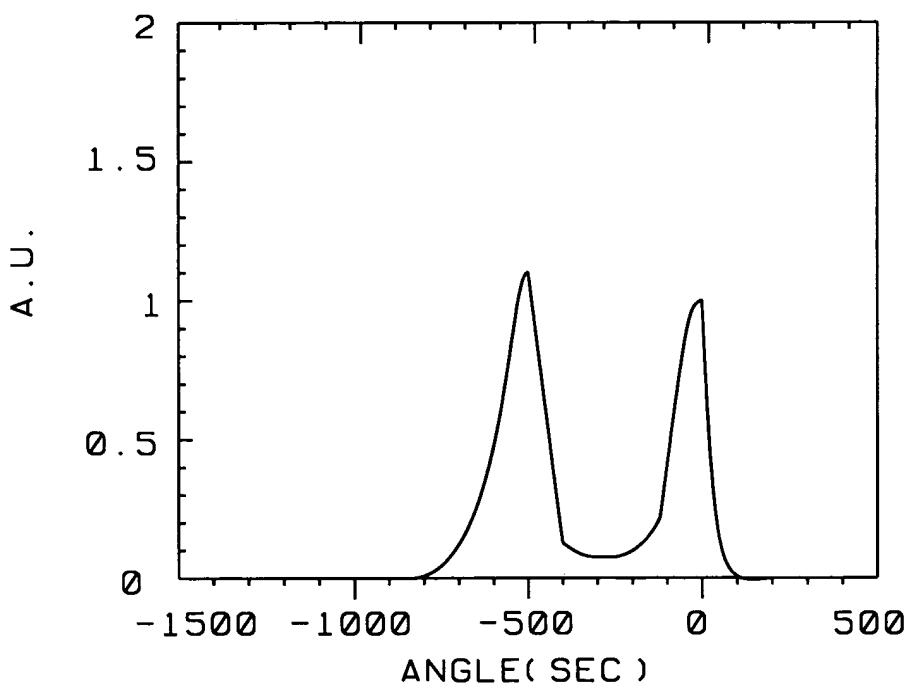


FIG. 1F - Prior Art

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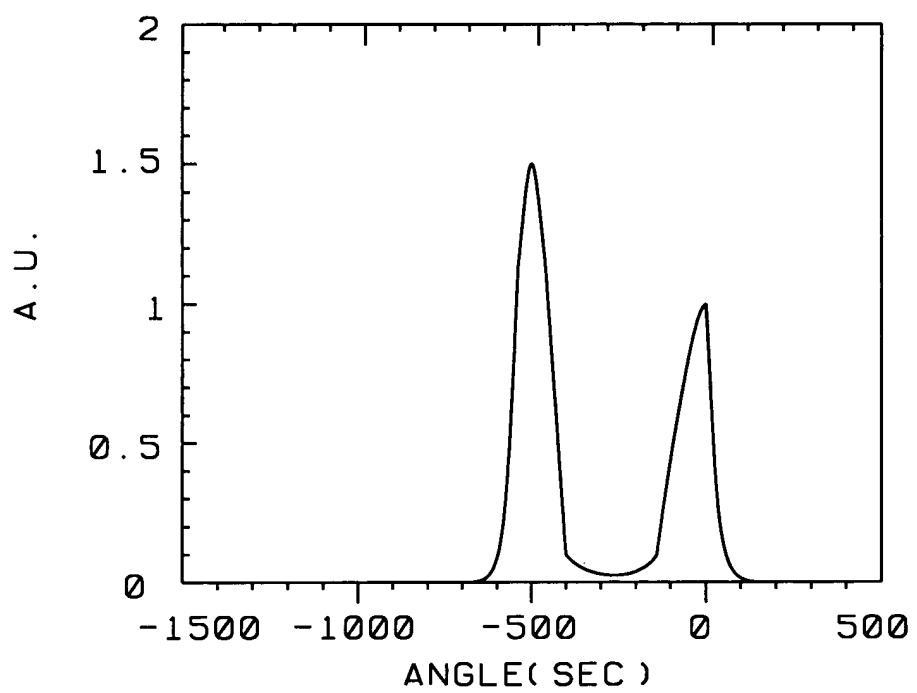
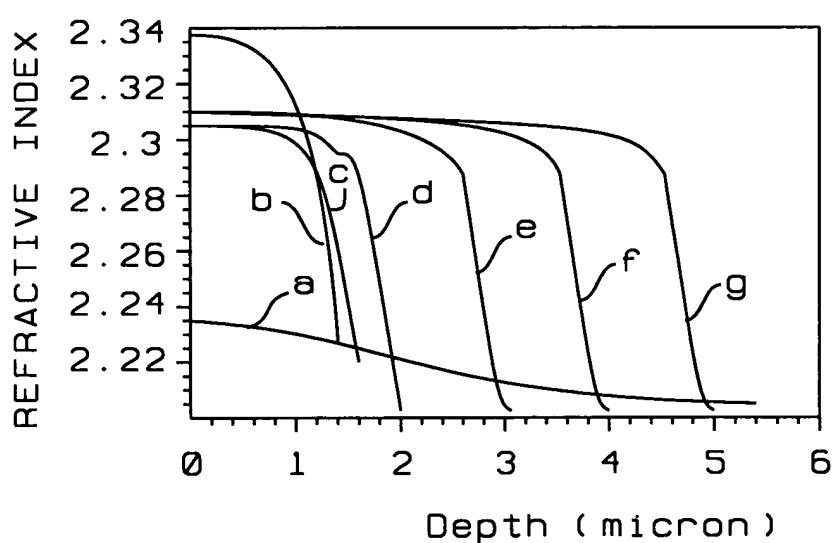


FIG. 1G - Prior Art

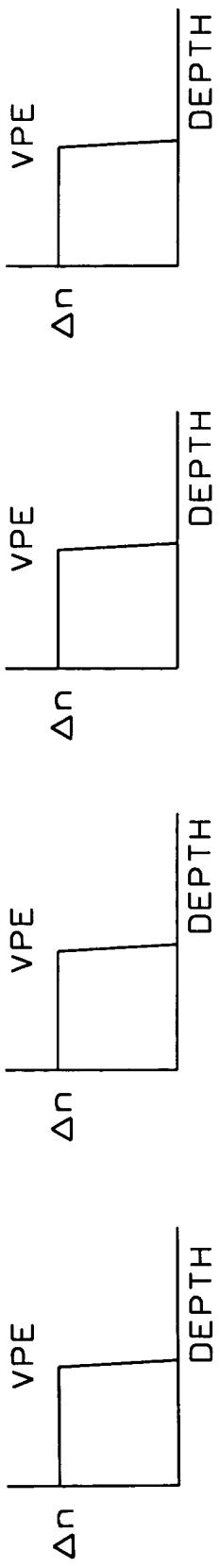
SURFACE  
EXTRAORDINARY INDEX CHANGE

SAMPLE	$\Delta n_e$
a	0.0321
b	0.1351
c	0.1009
d	0.1006
e	0.1045
f	0.1045
g	0.1053

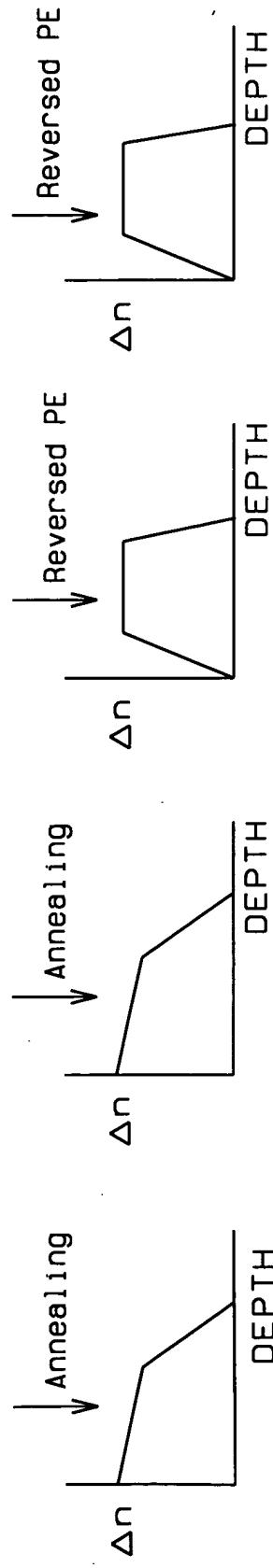
*FIG. 2 - Prior Art*



*FIG. 3 - Prior Art*



*FIG. 4A* FIG. 5A FIG. 6A FIG. 7A



*FIG. 4B* FIG. 5B FIG. 6B FIG. 7B



*FIG. 4C* FIG. 5C FIG. 6C FIG. 7C

A-VPE CHANNEL WAVEGUIDE

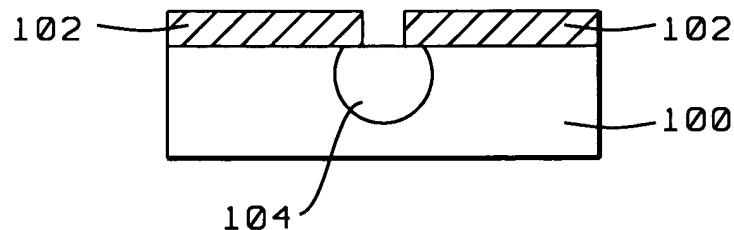


FIG. 8A

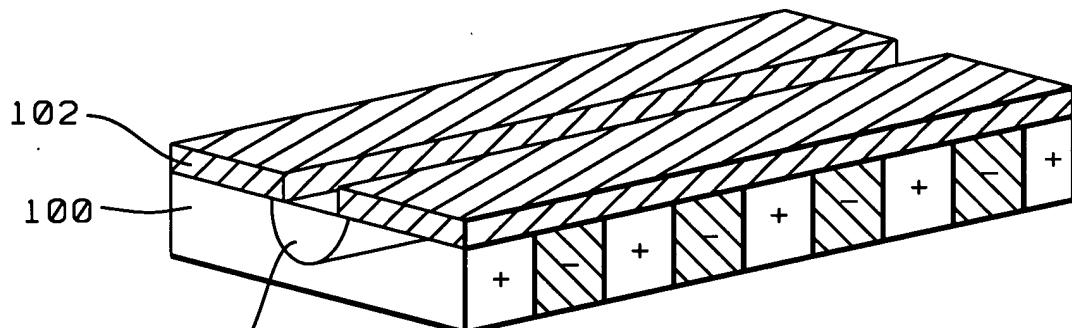


FIG. 8B

R-VPE CHANNEL WAVEGUIDE

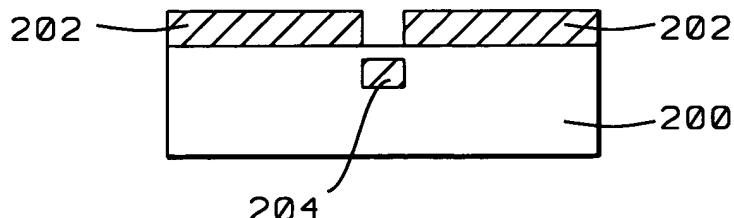


FIG. 8C

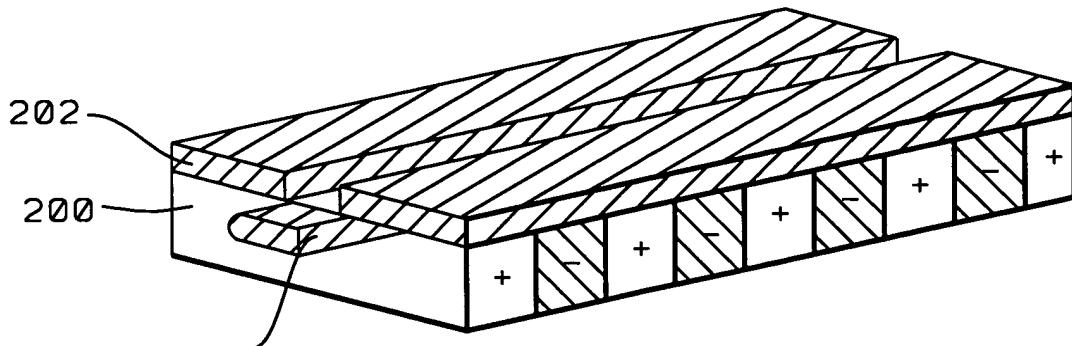


FIG. 8D

## AR-VPE OR RA-VPE CHANNEL WAVEGUIDE

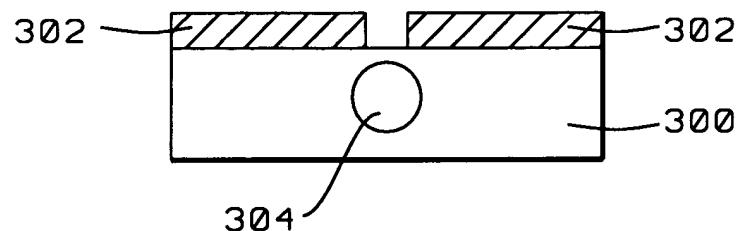


FIG. 8E

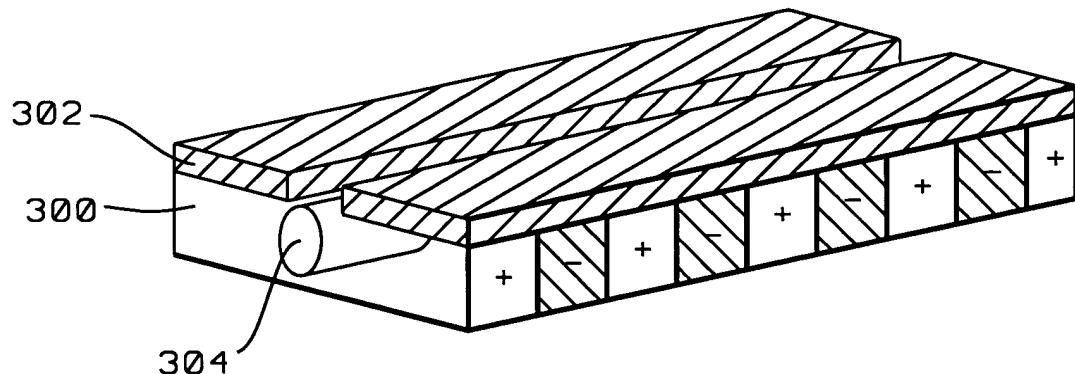


FIG. 8F

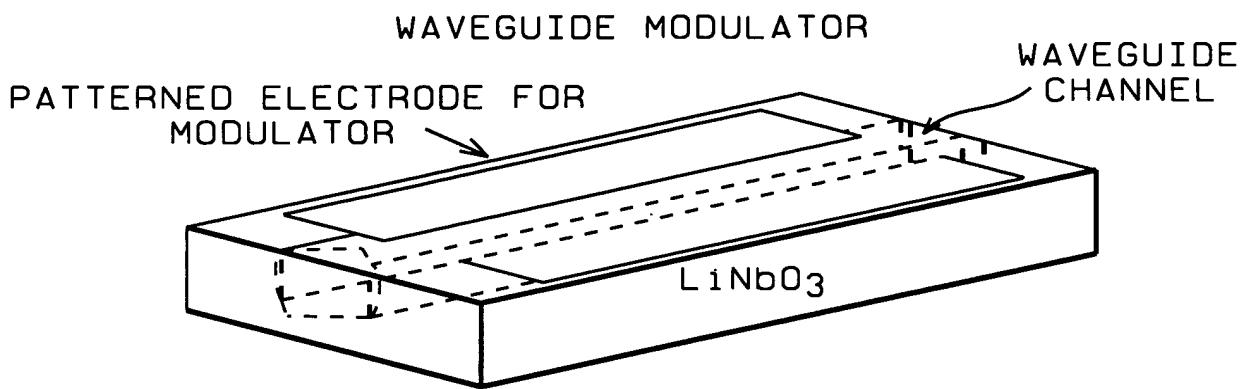


FIG. 9A

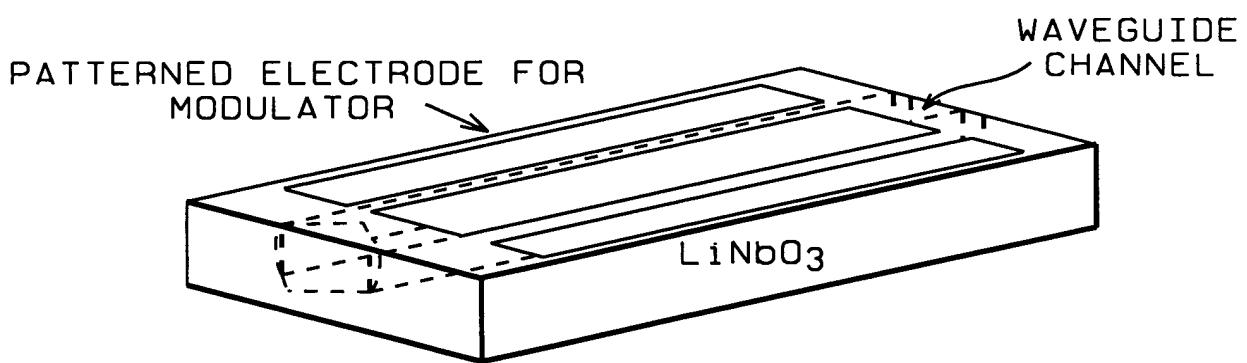


FIG. 9B

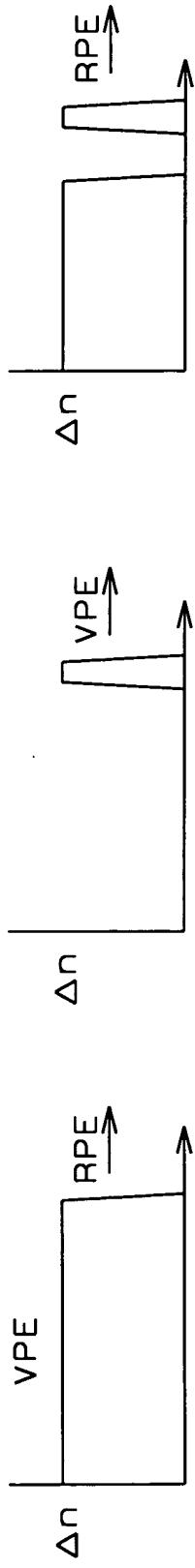


FIG. 10A FIG. 10B FIG. 10C

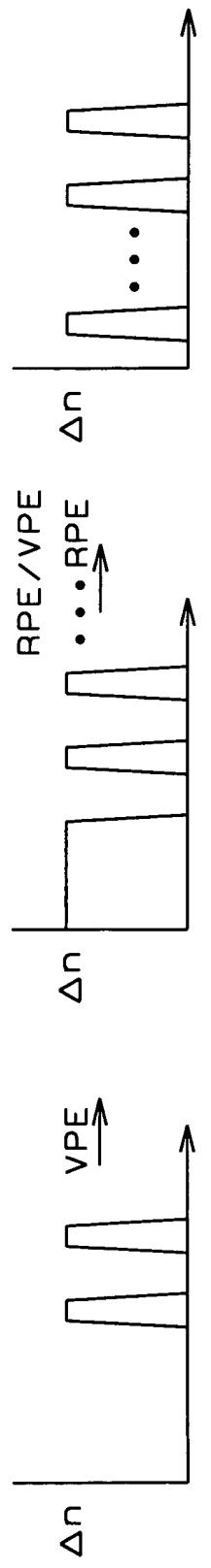


FIG. 10D FIG. 10E FIG. 10F

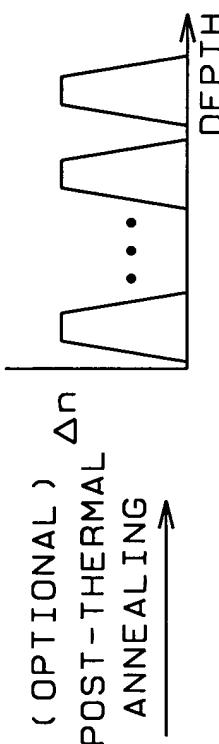


FIG. 10G

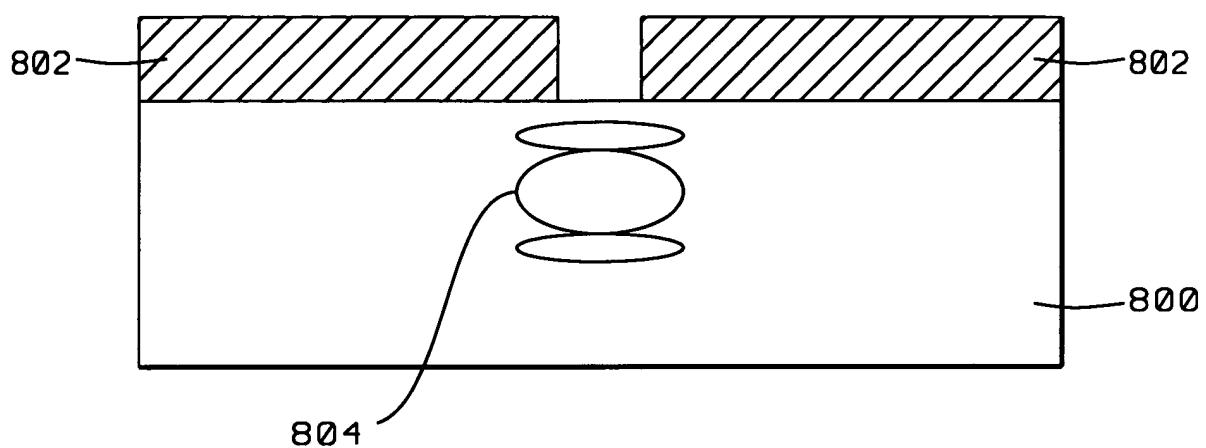


FIG. 11A

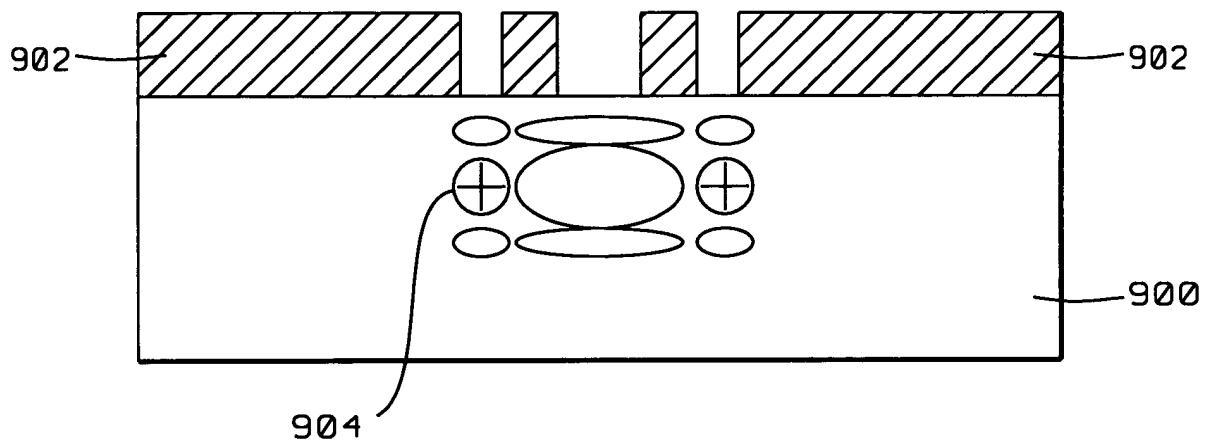


FIG. 11B